

RAW SEQUENCE LISTING

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Application Serial Number: 10/529,441A

Source: PT

Date Processed by STIC: 3/16/06

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PCT

RAW SEQUENCE LISTING

DATE: 03/16/2006

PATENT APPLICATION: US/10/529,441A

TIME: 11:45:43

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3 <110> APPLICANT: WESTRITSCHNIG, KERSTIN
4     FOCKE, MARGARETE
5     TWARDOSZ, ANNA
6     VALENT, PETER
7     VERDINO, PETRA
8     KELLER, WALTER
9     KRAFT, DIETRICH
10    VALENTA, RUDOLF
12 <120> TITLE OF INVENTION: HYPOALLERGENIC ALLERGY VACCINES BASED ON THE TIMOTHY GRASS
13    POLLEN ALLERGEN PHL P 7
15 <130> FILE REFERENCE: 24741-1539
17 <140> CURRENT APPLICATION NUMBER: 10/529,441A
18 <141> CURRENT FILING DATE: 2005-03-25
20 <150> PRIOR APPLICATION NUMBER: PCT/EP03/010701
21 <151> PRIOR FILING DATE: 2003-09-25
23 <150> PRIOR APPLICATION NUMBER: EP 02021837.6
24 <151> PRIOR FILING DATE: 2002-09-27
26 <160> NUMBER OF SEQ ID NOS: 11
28 <170> SOFTWARE: PatentIn version 3.3
30 <210> SEQ ID NO: 1
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32 <212> TYPE: PRT
33 <213> ORGANISM: Phleum pratense
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42 Gly Ser Thr Ser Ala Asp Glu Val Gln Arg Met Met Ala Glu Ile Asp
43           35           40           45
45 Thr Asp Gly Asp Gly Phe Ile Asp Phe Asn Glu Phe Ile Ser Phe Cys
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58 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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61 <400> SEQUENCE: 2
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63 1           5           10           15
65 Gly Lys Ile Ser Leu Ser Glu Leu Thr Asp Ala Leu Arg Thr Leu Gly
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86           20           25           30
88 Pro Gly Leu Met Lys Asp Val Ala Lys Val Phe
89           35           40
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93 <211> LENGTH: 78
94 <212> TYPE: PRT
95 <213> ORGANISM: Artificial Sequence
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106           20           25           30
108 Gly Ser Thr Ser Ala Asp Glu Val Gln Arg Met Met Ala Glu Ile Asp
109           35           40           45
111 Thr Asp Gly Asp Gly Phe Ile Asp Phe Asn Ala Phe Ile Ser Phe Cys
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115 65           70           75
118 <210> SEQ ID NO: 5
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131 Ala Gly Lys Ile Ser Leu Ser Ala Leu Thr Asp Ala Leu Arg Thr Leu
132           20           25           30

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134 Gly Ser Thr Ser Ala Asp Glu Val Gln Arg Met Met Ala Glu Ile Asp
135      35      40      45
137 Thr Asp Gly Asp Gly Phe Ile Asp Phe Asn Ala Phe Ile Ser Phe Cys
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160 Gly Ser Thr Ser Ala Asp Glu Val Gln Arg Met Met Ala Glu Ile Asp
161      35      40      45
163 Thr Asp Gly Ala Gly Phe Ile Asp Phe Asn Ala Phe Ile Ser Phe Cys
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167 65      70      75
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180      20      25      30
182 Gly Asp Ala Leu Lys Thr Leu Gly Ser Val Thr Pro Asp Glu Val Lys
183      35      40      45
185 His Met Met Ala Glu Ile Asp Thr Asp Gly Asp Gly Phe Ile Ser Phe
186      50      55      60
188 Gln Glu Phe Thr Asn Phe Ala Arg Ala Asn Arg Gly Leu Val Lys Asp
189 65      70      75      80
191 Val Ala Lys Ile Phe
192      85
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204 Asn Gly Asp Gly Lys Ile Ser Leu Ala Glu Leu Thr Asp Ala Leu Arg

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205          20          25          30
207 Thr Leu Gly Ser Thr Ser Ala Asp Glu Val Gln Arg Met Met Ala Glu
208          35          40          45
210 Ile Asp Thr Asp Gly Asp Gly Phe Ile Asp Phe Asp Glu Phe Ile Ser
211          50          55          60
213 Phe Cys Asn Ala Asn Pro Gly Leu Met Lys Asp Val Ala Lys Val Phe
214 65          70          75          80
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226 Arg Phe Asp Ala Asn Gly Asp Gly Lys Ile Ser Ser Ser Glu Leu Gly
227          20          25          30
229 Glu Thr Leu Lys Thr Leu Gly Ser Val Thr Pro Glu Glu Ile Gln Arg
230          35          40          45
232 Met Met Ala Glu Ile Asp Thr Asp Gly Asp Gly Phe Ile Ser Phe Glu
233          50          55          60
235 Glu Phe Thr Val Phe Ala Arg Ala Asn Arg Gly Leu Val Lys Asp Val
236 65          70          75          80
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251 Lys Arg Phe Asp Ala Asn Gly Asp Gly Lys Ile Ser Ala Ala Glu Leu
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254 Gly Glu Ala Leu Lys Thr Leu Gly Ser Ile Thr Pro Asp Glu Val Lys
255          35          40          45
257 His Met Met Ala Glu Ile Asp Thr Asp Gly Asp Gly Phe Ile Ser Phe
258          50          55          60
260 Gln Glu Phe Thr Asp Phe Gly Arg Ala Asn Arg Gly Leu Leu Lys Asp
261 65          70          75          80
263 Val Ala Lys Ile Phe
264          85
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270 <213> ORGANISM: Brassica rapa
272 <400> SEQUENCE: 11
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274 1          5          10          15
276 Gly Asp Gly Lys Ile Ser Ala Ala Glu Leu Glu Glu Ala Leu Lys Lys
277          20          25          30

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279 Leu Gly Ser Val Thr Pro Asp Asp Val Thr Arg Met Met Ala Lys Ile
280      35              40              45
282 Asp Thr Asp Gly Asp Gly Asn Ile Ser Phe Gln Glu Phe Thr Glu Phe
283      50              55              60
285 Ala Ser Ala Asn Pro Gly Leu Met Lys Asp Val Ala Lys Val Phe
286 65              70              75
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VERIFICATION SUMMARY

DATE: 03/16/2006

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